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PATENT & TRADEMARK OFFICE

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Attorney Docket No.: 019680-006400US // Application No.: 10/642,905
REPLACEMENT DRAWINGS

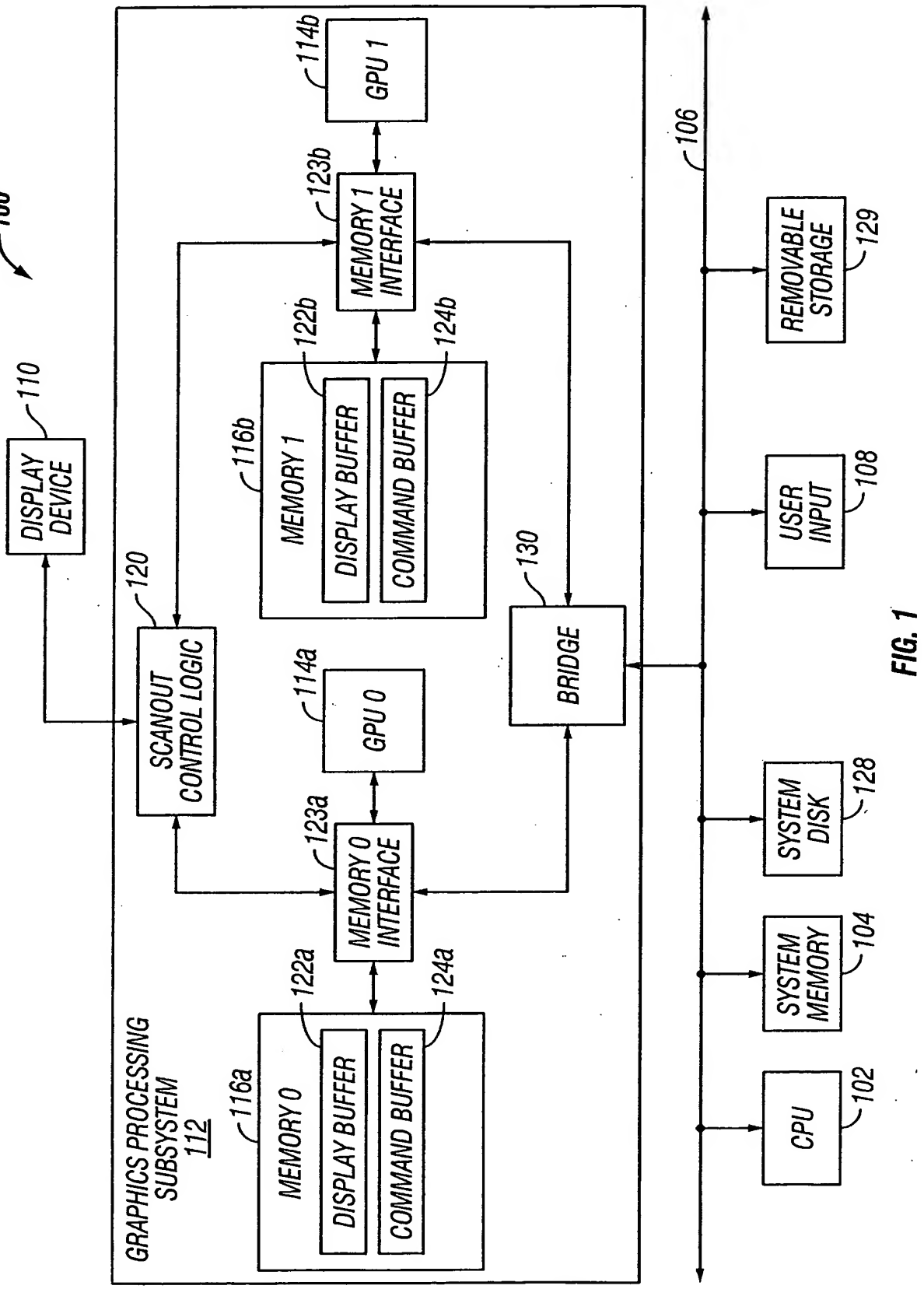

FIG. 1

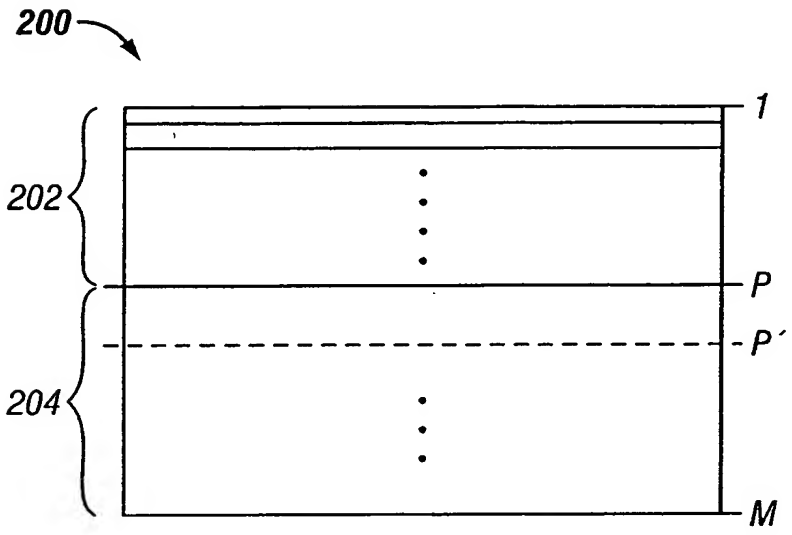
200
1
202
P
P´
204
M

FIG. 2

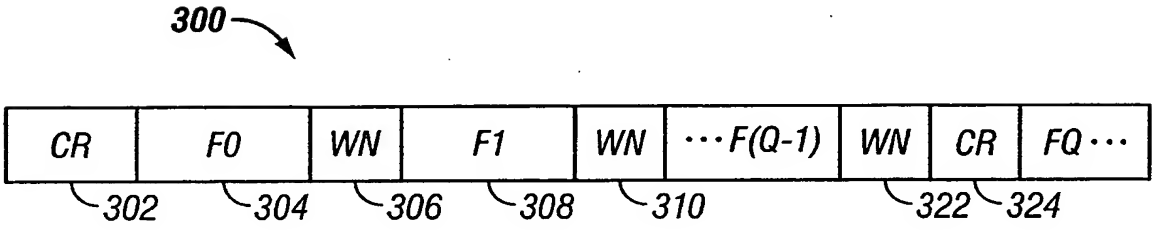
300
CR
F0
WN
F1
WN
···F(Q-1)
WN
CR
FQ···
302
304
306
308
310
322
324

FIG. 3

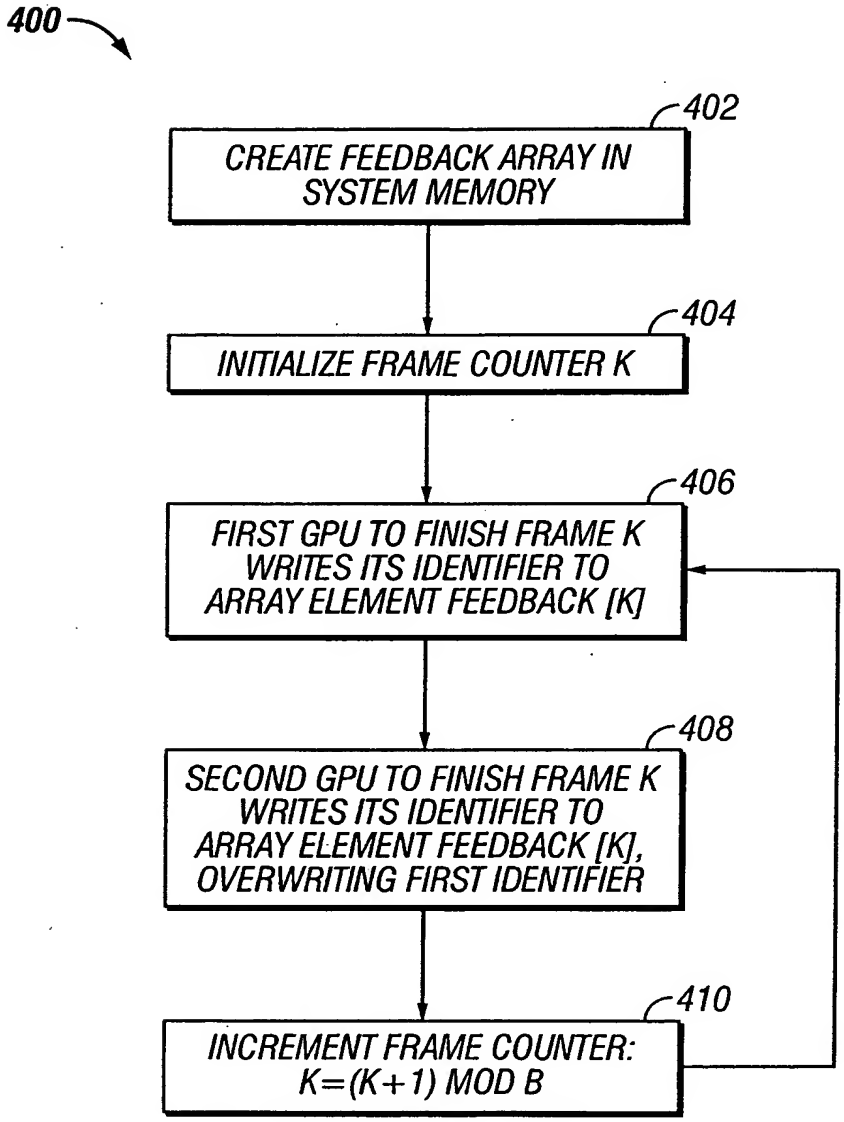
400
402
CREATE FEEDBACK ARRAY IN SYSTEM MEMORY
404
INITIALIZE FRAME COUNTER K
406
FIRST GPU TO FINISH FRAME K WRITES ITS IDENTIFIER TO ARRAY ELEMENT FEEDBACK [K]
408
SECOND GPU TO FINISH FRAME K WRITES ITS IDENTIFIER TO ARRAY ELEMENT FEEDBACK [K], OVERWRITING FIRST IDENTIFIER
410
INCREMENT FRAME COUNTER: K=(K+1) MOD B

FIG. 4

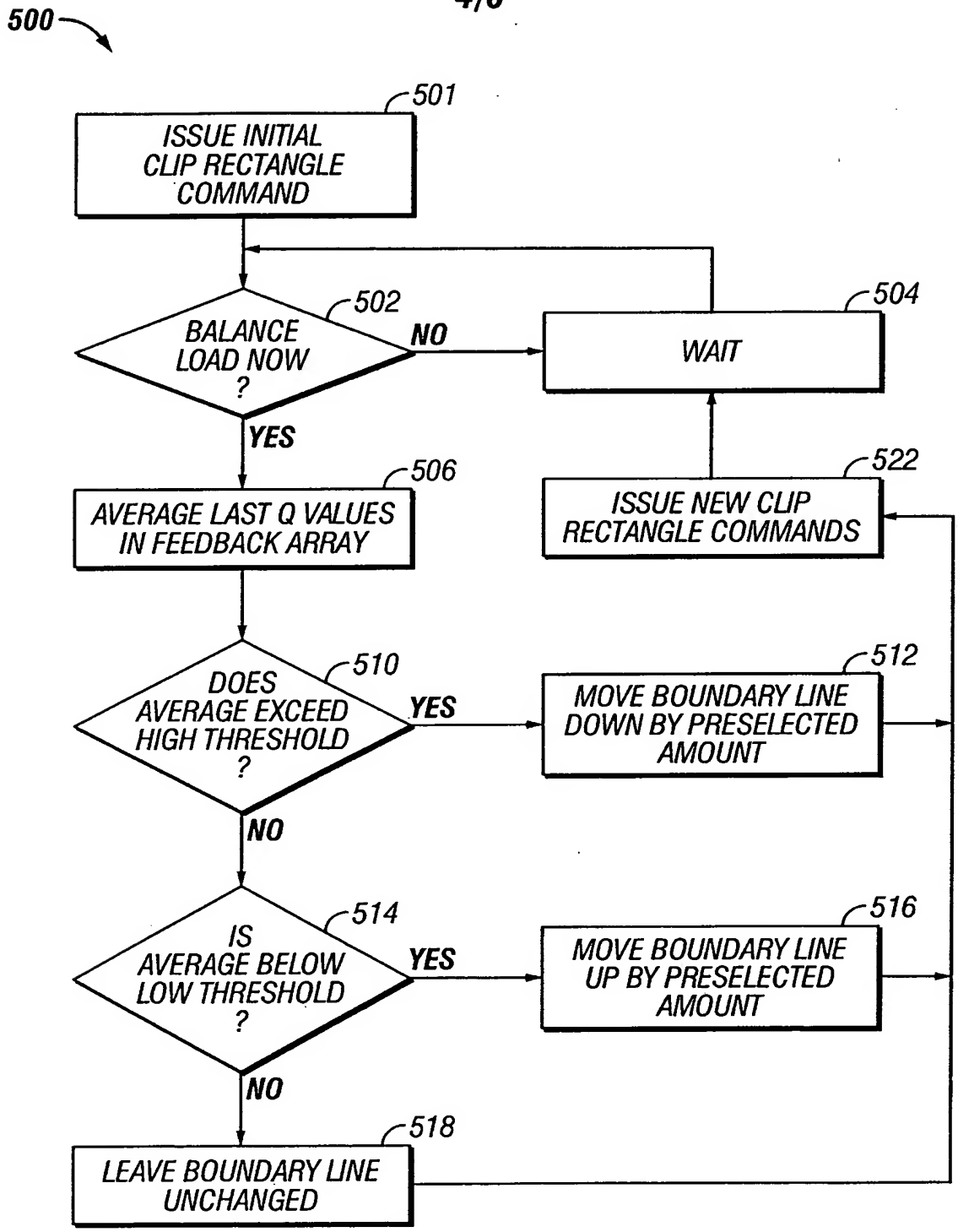
500
501
ISSUE INITIAL CLIP RECTANGLE COMMAND
502
BALANCE LOAD NOW ?
NO
504
WAIT
YES
506
AVERAGE LAST Q VALUES IN FEEDBACK ARRAY
522
ISSUE NEW CLIP RECTANGLE COMMANDS
510
DOES AVERAGE EXCEED HIGH THRESHOLD ?
YES
512
MOVE BOUNDARY LINE DOWN BY PRESELECTED AMOUNT
NO
514
IS AVERAGE BELOW LOW THRESHOLD ?
YES
516
MOVE BOUNDARY LINE UP BY PRESELECTED AMOUNT
NO
518
LEAVE BOUNDARY LINE UNCHANGED

FIG. 5

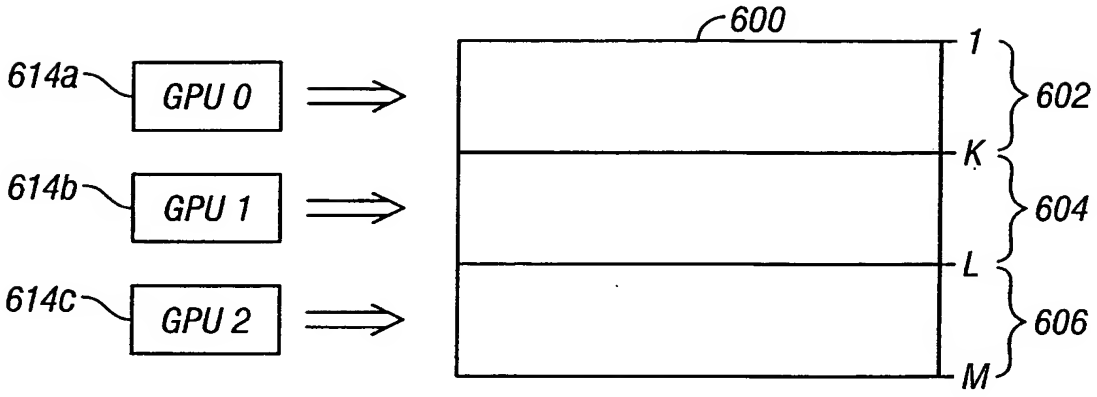
600
614a
GPU 0
614b
GPU 1
614c
GPU 2
1
K
L
M
602
604
606

FIG. 6

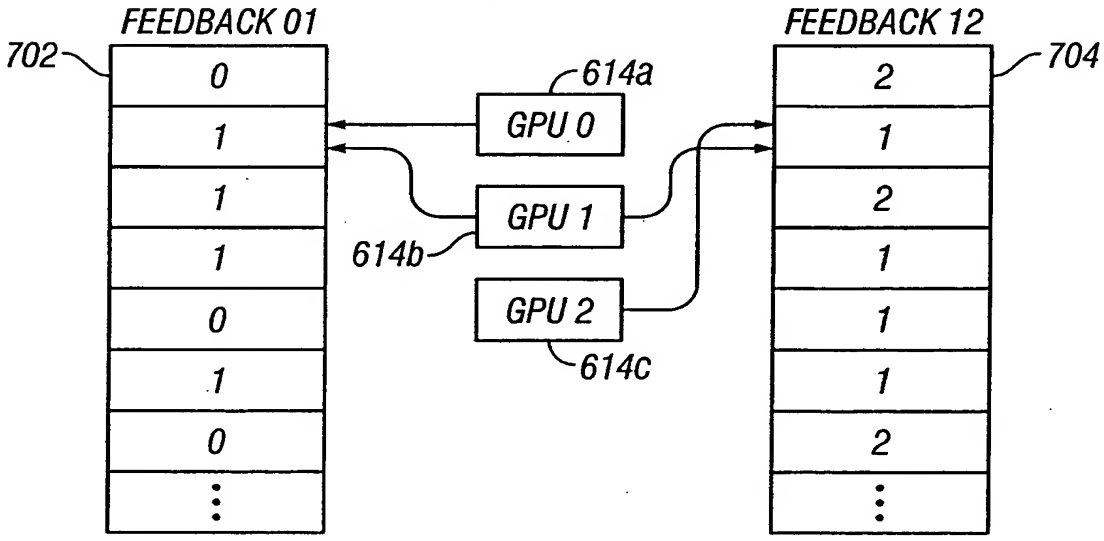
FEEDBACK 01
702
0
1
1
1
0
1
0
FEEDBACK 12
704
2
1
2
1
1
1
2
614a
GPU 0
GPU 1
614b
GPU 2
614c

FIG. 7

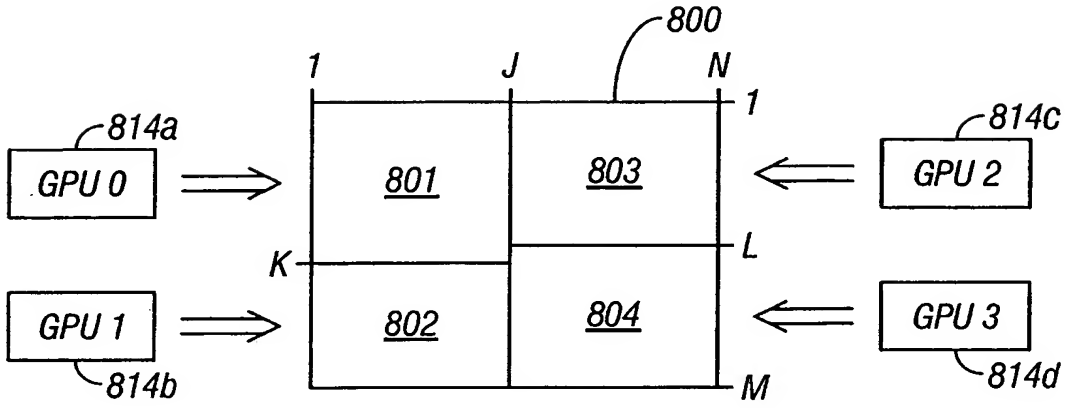

FIG. 8

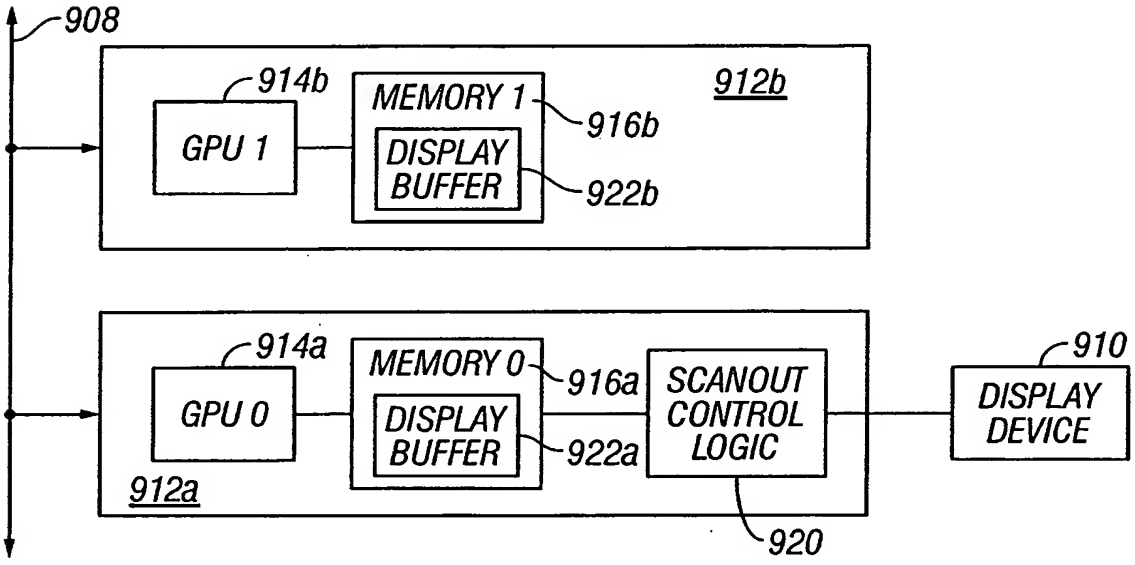

FIG. 9

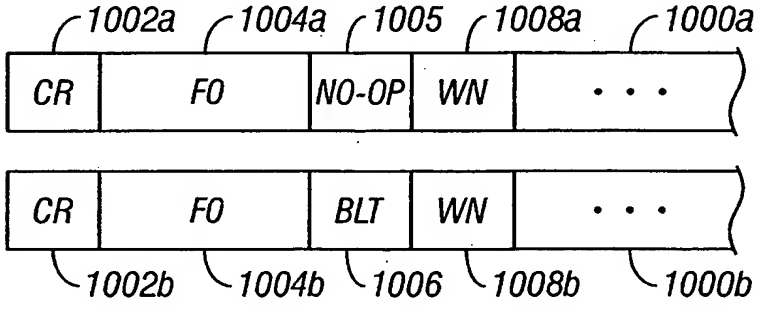

FIG. 10